N. P. N. SEMI-ANNUAL INDEX
Of Technical and Semi-Technical Refinery Articles

January-June, 1936

Asphalt, Road Oils, Road Materials

Title	Issue	Page
Asphalt Specifications (Table)	May 13,	47
New Motor Road to Mexico City to Increase Tourist Traffic, by J. Steiger	Feb. 12,	41
Road Oils, Asphalt, to be Pushed by W. P. R. A.	May 6,	24

Cracking and Polymerization

Title	Issue	Page
Gasoline Products Sues H. H. Cross on Three Cracking Patents	Jan. 29,	22
Globe Refining-S. O. Indiana Lewis-Cooke Patent Infringement Suit Affirmed by U. S. Court of Appeals	March 11,	48
Petroleum Distillation Corp.'s Three Patents Invalidated by Federal District Court of Western Pennsylvania; James B. Berry Sons Suit	April 29,	13
Petroleum Distillation Patent Suits vs. Berry Sons to be Appealed; S. O. New Jersey and Atlantic Refining.	May 6,	14
Gray Processes Sues East Texas Refining on 10 Clay Treating Patents	May 13, 28,	33
DeFlorez Automatic Temperature Control of Cracking Unit; Leeds-Northrup Potentiometer	Feb. 26,	26
Temperature Determines Isobutane Yield in Polymerization of Ethylene, V. N. Ipatieff and H. Pines Say	Feb. 26,	30
Solvex Refining Builds Absorption-Stabilizing Tower Into Cracking Unit	Mar. 4,	32
Gray Processes Licenses Clay Treating for Cracked Gas	Mar. 4,	51
Dickey Refining Completes Test Run of New Uni-Coil Injection Cracker	Mar. 11,	34
Freedom Oil New Leader-Dubbs Unit Has Space Economy, Flexibility, by Arch L. Foster	Mar. 11,	35
Chemical Processes in Refining of Petroleum Distillates; by Jacque C. Morrell and Gustav Egloff,		
Part I	Mar. 18,	33
Part II	Mar. 25,	24-G
Part III	April 8,	24-L
Part IV	April 15,	37
Polymerization Applicable to Natural Gas Only in Concentrated Gas Areas of Panhandle, by A. L. Foster	April 22,	43
"Coal Tar" Hydrocarbons Produced by Petroleum Polymerization, by C. R. Wagner	April 29,	22
Value of Polymer Gasoline is Its High Octane Blending Value, by P. M. Robinson	April 29,	24
Discuss Gas Polymerization at Pennsylvania Natural Gas Men's and Mineral Industries Conference	April 29,	27
Leonard Refineries Builds Cracking Unit at Alma, Mich.	May 6,	17
Shell Petroleum to Build 20,000 Barrel Combination Unit at Houston	May 6,	18
Zinc Chloride Catalyst Boosts Polymer Yield; Review of Brandes, Gruse, Lowy Paper	May 27,	36
Cracking Has Conserved 12 Billion Barrels of Oil, by H. J. Struth	Feb. 5	287
Squeezing More Gasoline from Crude Oil; Cracking Gets 45 Per Cent More Gasoline from Crude, by Paul Truesdell	Feb. 5,	279
Cracking Technique Has Saved Quantities of Crude	Feb. 5,	104
Cracking—Yesterday, Today and Tomorrow; What is Cracking?	Feb. 5,	426

Detonation, Knock Rating and Knock Testing

Title	Issue	Page
Iso-pentane in Making 100-octane Aviation Fuels; Octane Ratings of Army Gasoline; Blending Charts to Constant Octane; Antiknock Data, etc., by F. B. Neptune, H. M. Trimble and R. C. Alden	May 6,	25

Distillation

Title	Issue	Page
Waverly Oil Works New Distillation Unit Solves Naphtha, Lube Problems; Leader Industries Unit	Feb. 12,	27

Hydrogenation

Title	Issue	Page
New Zealand Considers Coal Hydrogenation	Feb. 5,	492
Japan Surveys Manchuria for Hydrogenation	Feb. 19,	34
Ruhr Coal Companies to Build Hydrogenation Plant	Mar. 11.	34
"Coal Tar" Hydrocarbons Produced by Petroleum Polymerization, by C. R. Wagner	April 29,	22
First Commercial Plant of S. O. New Jersey	Feb. 5,	327

Lubricants and Lubrication

Title	Issue	Page
Standard Viscosity Oils Show High Testing Accuracy, A. P. I. Committee Reports	Jan. 1,	18
Service Tests Must Determine Value of Extreme Pressure Lubricants, by I. A. Ebaugh, Part I	Jan. 8,	21
Part II	Jan. 15,	26
First "Alloy" Lube; Continental Oil to Advertise Germ Processed Motor Oil	Feb. 12,	22
Lubricant Difficulties Traced to Engines, S. W. Sparrow and T. A. Scherger say at S. A. E. Meet	Feb. 12,	40
Oiliness Agent Prevents Cam Follower Scoring, B. E. Sibley says	Feb. 12,	40
Quick Method for Correcting Oil Gravities to 60 F., by Richard Grosholz	Feb. 19,	33
Meaning of Some Terms Used in Lubrication, by A. W. Burwell and J. A. Camelford, Article I	April 15,	32
Chrysler Changes E. P. Lube Specifications	Mar. 11,	54
Two-solvent System Advantages in Solvent Dewaxing Process, by W. P. Gee, W. Kiersted, B. Y. McCarty	May 13,	29
Fundamentals in Solvent Refining Clarified by J. W. Poole	May 13,	33
Transformer Oils To Be Studied by A. S. T. M.	June 17,	71
Making Improbable Speeds Possible	Feb. 5,	212

Motor and Other Fuels

Title	Issue	Page
British Experiment With Iso-octane as Aviation Fuel	Mar. 11,	34
Iso-pentane in Making 100-octane Aviation Fuels; Octane Ratings of Army Gasoline; Blending Charts to Constant Octane; Anti-knock Data, etc., F. B. Neptune, H. M. Trimble, R. C. Alden	May 6,	25
Occurrence of Various Hydrocarbons May Be Predicted From Research, National Bureau of Standards says	Feb. 12,	36
Diesel Fuel Test Methods, Progress of, Studied by SAE; Wear Factor in Engines, by Arch L. Foster	Jan. 22,	19
Effect of Crude Source on Diesel Fuel Quality; Tables on Lab Inspection Data, Engine Ratings, Specification data; by W. H. Hubner and G. B. Murphy, Part I	Jan. 22,	22
Part II; Tables on Cetane Number	Jan. 29,	25
Avoid "Cetane Race", by Arch L. Foster	Jan. 29,	32

N. P. N. Semi-Annual Index of Technical and Semi-Technical Refinery Articles

Motor and Other Fuels (Continued)

Title	Issue	Page
Diesel Engine Doesn't Threaten Production Balance Yet, R. T. Goodwin Tells Conference on Diesels	April 1,	32
Diesel Fuel Distribution Outweighs Specifications Problem, J. Geschelin Tells NPA; Car Registrations, Gasoline Consumption, 1935 (tables)	April 15,	29
More Diesel Fuel Talk, by T. R. Kelly at NPA Meet	April 22,	17
Lubrite Converts Fuel Oil Into More Profitable Products; Flowchart of Coke Ovens, by Arch L. Foster	May 6,	33
Mileage With Butane Lower Than With Gasoline, S. O. New Jersey Finds	Jan. 29,	28
Leningrad Institute Has New Method For Synthesis of Ethyl Alcohol From Ethylene Gas	Feb. 26,	15
Future of Motor Fuel to be Talked at ACS Meeting	Mar. 11,	48
Standard Tractor Fuel is S. O. Indiana New Fuel; Specifications	Mar. 25,	63
Kerosine-gasoline Blends Appear in East Texas	Mar. 25,	70
All-purpose Fuel From Lignite Coal; Senate Bill Passes	April 8,	15
Tractor Fuels on SAE Milwaukee Program	April 8,	24
Italy's New Fuel is 10 Per Cent Gasoline; Alcohol, Benzol, Water, etc.	April 15,	30
Gasoline Gaining As Tractor Fuel, SAE National Tractor Meeting Told, by John W. Thompson	April 22,	24-G
Value of Polymer Gasoline Is In Its High Octane Blending Value, by P. M. Robinson	April 29,	24
Light Oils Kept Colorless by Inhibitors, Neutralizers, by J. B. Rather, L. C. Beard, Jr.	May 13,	34
Alky-gas on American Chemical Society Meeting	Mar. 25,	16
Chemical Foundation Grants $200,000 for Alky-gas Plant at Atchison, Kans. 10,000-gallon Alky-gas Plant building With Chemical Foundation Money at Atchison, Kans., by A. L. Foster	April 1,	27
Esso Marketers Experiment With Butane for Trucks	April 1,	99
Alky-gas Inefficiency Reported by American Chemical Society	April 8,	69
Alky-gas Inefficient, Leading Chemists Say at ACS Meeting, by Arch L. Foster	April 15,	23
Leading Chemists Against Alky-gas Blends; Reasons Why	April 22,	20
New Lea Bill Wants Agriculture Dept. To Make Alky-gas	April 22,	21
Wide Distribution of Alky-gas Planned; First U. S. Plant at Atchison, Kans. Ready; Report of Farm Chemurgic Council meet, by J. C. Chatfield	May 13,	28
Motor Fuel Volatility More Important, T. R. Goebel Tells N. G. A. A.	May 20,	29
12 Per Cent Gained in Acceleration by Using More Volatile Fuels, by Dr. G. G. Brown	May 13,	35
Competing Fuels—Oil, Gas, Coal, etc.—To Be Studied by Government Agencies	May 13,	41
Uniformity of Motor Fuel Volatility Will Aid Auto Design, by Arch L. Foster	May 20,	26
Simple Index of Volatility Needed for Education of Public, by W. W. Scheumann	May 20,	35
To Increase Fuel Volatility Involves Many Auto Design Problems, by Gilbert Way	May 20,	37
Zinc Chloride Catalyst Boosts Polymer Yield, Review of Paper by Brandes, Gruse, Lowy	May 20,	43
Limitations of Practical Usage of More Volatile Motor Fuels; Discussion of G. G. Brown Paper on "10 Years of Research", by W. G. Lovell	May 27,	36
Clay-treating Gasoline Costs 2.3c Per Barrel by Gray Process, M. R. Mandelbaum, P. F. Swanson Tell API	May 27,	37
Volatility is Commodity Natural Gasoline Industry Sells; Average Characteristics of Major Motor Fuels Yearly by Months, by T. W. Legatski	June 3,	25
Effect of Natural Gasoline on Motor Fuel Volatility	June 3,	28
Country Gentleman Dubious on Alky-gas	June 3,	32
New Fuels Obtainable From Petroleum to Speed Progress in Aviation; Technical Iso-octane for 100-octane Gasoline, by Arch L. Foster	June 17,	20
France May Replace Alky-gas With Leaded Fuels	June 10,	19
New Blending Agent (Technical Iso-octane) Makes Practicable Greatly Improved Aviation Fuel, by H. E. Buc and E. E. Aldrin	June 17,	20
Farm Alcohol As Motor Fuel is Promoter's Dream	June 17,	25
The Story of Ethyl Gasoline	Feb. 5,	343
	Feb. 5,	276

Natural Gasoline

Title	Issue	Page
Natural Gasoline to be Affected by Panhandle Gas Waste Decision	Jan. 29,	21
New Plants to Replace Natural Gasoline Output Lost in Panhandle, by Allen S. James	Feb. 19,	17
Effect on Mid-Continent Natural Gasoline Output of Texas Anti-"Popping" Law, by Arch L. Foster	April 22,	30
Shift in Mid-Continent Natural Gasoline Production Follows Curtailment in Panhandle; Well Connections of Plants in East Texas, by Allen S. James	April 22,	37
Natural Gasoline Markets Will Equalize Reduction in Panhandle Production	April 22,	49
California Refiners Look to Mid-Continent for Supplies, by Jack N. Westsmith	May 13,	21
Fuel Volatility More Important, T. R Goebel Tells NGA at Meeting	May 13,	35
Natural Gasoline an Untouched Rich Chemical Mine (Spectacular Side of Hydrocarbons), by Sidney Born	May 13,	39
12 Per Cent Gained in Acceleration by Using More Volatile Fuels; Octane Number Effect, Selector Position, by Dr. G. G. Brown	May 13,	41
Uniformity of Motor Fuel Volatility Will Aid Auto Design, by Arch L. Foster	May 20,	35
Simple Index of Volatility Needed For Education of Public, by W. W. Scheumann	May 20,	37
To Increase Fuel Volatility Involves Many Auto Design Problems, by Gilbert Way	May 20,	43
Limitations of Practical Usage of More Volatile Motor Fuels; Discussion of G. G. Brown Paper on "10 Years of Research", by W. G. Lovell	May 27,	37
Volatility is Commodity Natural Gasoline Industry Sells, N. G. A Meet, by T. W. Legatski	June 3,	28
Effect of Natural Gasoline on Motor Fuel Volatility	June 3,	32
Michigan Natural Gasoline Plants	June 17,	33
Taking Gasoline From Natural Gas Conserves Our Crude Supply	Feb. 5,	289
Pioneering Natural Gasoline, an Industry Based on Conservation of Former Waste Product	Feb. 5,	110
Stabilizing a Product and An Industry	Feb. 5,	162

N. P. N. Semi-Annual Index of Technical and Semi-Technical Refinery Articles

Plant Control and Modernization

Title	Issue	Page
Leonard Refineries Improves Alma, Mich. Plant.	April 15,	19
Laurel Refining Being Rebuilt by Independent Refining in Montana	Feb. 19,	23

Refining Costs

Title	Issue	Page
Refinery Cost System Needs Co-operation of Chemist, Engineer, Accountant, G. Kerr Tells I. P. T. at London	Jan. 1,	25
Costs 2.3c Per Barrel to Clay-treat Gasoline, M. R. Mandelbaum, P. F. Swanson Tell A. P. I. at Mid-year Meet; Gray Process Treating of Cracked Distillate	June 3,	25
Profits and Losses in Oil; Crude Production and Refining Costs and Value, by H. J. Struth	Feb. 5,	68
Relationship of Costs of Production, Refining, etc., to Selling Price of Gasoline	Feb. 5,	107
Refinery Upkeep Cost of Barrels Per Year	Feb. 5,	30
Costs of Crude to Refinery, and Processing	Feb. 5,	79
Typical Refining Cost and Revenue in Mid-Continent of Barrel of Crude Oil	Feb. 5,	77

Refining; Processes and Products

Title	Issue	Page
Chemical Processes in Refining of Petroleum Distillates, by J. C. Morrell and G. Egloff, Part I	Mar. 18,	33
Part II	Mar. 25,	24-G
Part III	April 8,	24-L
Part IV	April 15,	37
New Edeleanu Experimental Laboratory at Long Island, by Arch L. Foster	May 27,	33
Waverly Oil Works New Distillation Unit Solves Naphtha, Lube Problems; Leader Industries Unit	Feb. 12,	27
Leningrad Institute Has New Synthesis Method; Ethyl Alcohol from Ethylene Gas-water	Feb. 26,	15
Gray Processes Licenses New Clay Treating	Mar. 4,	51
Lubrite Refining Converts Fuel Oil Into More Profitable Products; Flowchart of Coke Ovens, by A. L. Foster	May 6,	33
Two-solvent system Advantages in Solvent Dewaxing Process; Flowchart; Dewaxing Results; by W. P. Gee, W. Kiersted, B. Y. McCarty	May 13,	29
Fundamentals of Solvent Refining Clarified by J. W. Poole at API Meet	May 13,	33
Inhibitors, Neutralizers Keep Light Oils Colorless, by J. B. Rather, L. C. Beard, Jr.	May 13,	34
Continuous Filtration in Propane Dewaxing Found Practicable; Flow Chart of Shell's Wood River Plant, by A. P. Anderson, H. O. Forrest and Leo Van Horn	May 20,	49
New Edeleanu Experimental Laboratory, Description of, by Arch L. Foster	May 27,	33
Gray Process Treating of Cracked Distillate Costs 2.3c Per Barrel for Gasoline	June 3,	25
Transforming Crude Petroleum Into Useful Products; Flow Chart; Yield from Barrel of Crude; Number and Capacity of Refineries, etc.	Feb. 5,	262
A Thousand Little Known Uses for Petroleum Products; Candles, Face Creams, etc.	Feb. 5,	295
Crude Petroleum Tree; How It is Divided Into Hundreds of Products	Feb. 5,	294

Specifications and Tests

Title	Issue	Page
Asphalt Specifications (Table)	May 13,	47
Diesel Fuel Test Methods, Progress of, Studied by SAE; Wear Factor in Engines, by Arch L. Foster	Jan. 22,	19
Effect of Crude Source on Diesel Fuel Quality; Tables on Lab Inspection Data, Engine Ratings, Specification Data; by W. H. Hubner and G. B. Murphy, Part I	Jan. 22,	22
Part II; Tables on Cetane Number	Jan. 29,	25
Diesel Fuel Distribution Outweighs Specifications Problem, J. Geschelin Tells NPA	April 15,	29
Octane Number Upheld As Quality Rating in Barnsdall vs. Birnamwood Oil Suit	Feb. 26,	18
Octane Numbers Changed for Gasoline by Western Petroleum Refiners Association, by A. S. James	April 15,	17
Iso-pentane in Making 100-octane Aviation Fuels; Blending Charts for Constant Octane; Anti-knock Data, etc., by F. B. Neptune, H. M. Trimble and R. C. Alden	May 6,	25
Effect of Octane Number On Average Acceleration (Table)	May 13,	45
Effect of Octane Selector Position on Number, Performance	May 13,	47
Standard Tractor Fuel is S. O. Indiana's New Fuel; Specifications	Mar. 25,	63

General Information

Title	Issue	Page
New Uses for Spent Fuller's Earth, by H. L. Kauffman, Part I	Dec. 25,	25
Part II	Jan. 1,	21
Water-gas Reaction Apparently Controls Engine Exhaust Gas Composition, by G. W. Gleeson and W. H. Paul	Feb. 19,	25
Index of Air-fuel Ratio Found in Exhaust Gas Analysis, B. A. D'Alleva and W. G. Lovell Paper at SAE Meeting	Feb. 19,	30
Corrosion in Stored Auto, Aircraft Engines Prevented by New Slushing Compound, Ethyl Gasoline Corp. Announces	Jan. 1,	24
Welding Properties of Corrosion-resisting Alloy Steels Improved With Columbium, by W. J. Priestley	Jan. 29,	29
New Edeleanu Experimental Laboratory at Long Island, by Arch L. Foster	May 27,	33
New Zeppelin, Hindenburg, Powered With Diesels	April 29,	36
More Diesel Engines Used by Danish	Mar. 18,	79
Hedges Motor Developing Double-acting Engine	April 15,	81
New Chromometer Lamp Standardizes Color of Oils; Designed by E. L. Ruh, C. A. Neusbaum, S. O. New Jersey	Feb. 19,	32
DeFlorez Automatic Temperature Control of Cracking Unit	Feb. 26,	26
Tagliabue Photoelectric Potentiometer, Description of; Bristol Flow Control System, Diagram of	Mar. 11,	42
Control Instruments for Refinery of Tomorrow at Tulsa Exposition, by Arch L. Foster	May 27,	18
Diesel Engine Doesn't Threaten Production Balance Yet, R. T. Goodwin Tells Conference on Diesels	April 1,	32
Refining Capacity in Michigan Far Exceeds Crude Supply; Review of Refining Industry; Refineries and Natural Gasoline Plants; Crude Production, 1932-1936	June 17,	32
Fr. Voges Invents New Method for Eliminating Carbon Monoxide	June 17,	34
Transforming Crude Petroleum Into Useful Products	Feb. 5,	262
A Thousand Little-known Uses for Petroleum Products; Candles, Face Creams, etc.	Feb. 5,	295
Crude Petroleum Tree: How It Is Divided Into Hundreds of Products	Feb. 5,	294
Engine Carbon — a Monkey Wrench in the Works of Progress, by O. A. Livingston and W. A. Gruse	June 24,	24-F

N. P. N. SEMI-ANNUAL AUTHOR INDEX

January-June, 1936

Author	Title	Issue	Page
Alden, R. C.	— Iso-pentane in Making 100-octane Aviation Fuels	May 6,	25
Aldrin, E. E.	—New Blending Agent for Aviation Fuels	June 17,	25
Anderson, A. P.	—Continuous Filtration in Propane Dewaxing Found Practicable; Flow Chart of Shell's Deasphalting, Dewaxing Wood River Plant; Elevation Drawing; Wax Filter	May 20,	49
Beard, Jr., L. C.	— Light Oils Kept Colorless by Inhibitors, Neutralizers	May 13,	34
Born, Sidney	— Natural Gasoline an Untouched Chemical Mine	May 13,	39
Brown, Dr. G. G.	— 12 Per Cent Gained in Acceleration by Using More Volatile Fuels	May 13,	41
Buc, H. E.	— A New Blending Agent for Improved Aviation Fuels	June 17,	25
Burwell, A. W.	— Meaning of Some Terms Used in Lubrication, Part I	April 15,	32
Camelford, J. A.	— Meaning of Some Terms Used in Lubrication, Part I	April 15,	32
Chatfield, J. C.	— Wide Distribution of Alcohol-gasoline Planned	May 20,	29
Ebaugh, I. A.	— Service Tests Must Determine Value of Extreme Pressure Lubricants, Part I	Jan. 8,	21
	Part II	Jan. 15,	26
Egloff, Gustav	— Chemical Processes in Refining of Petroleum Distillates, Part I	Mar. 18,	33
	Part II	Mar. 25,	24-G
	Part III	April 8,	24-L
	Part IV	April 15,	37
Forrest, H. O.	— Continuous Filtration in Propane Dewaxing Found Practicable	May 20,	49
Foster, Arch L.	— Polymerization Application to Natural Gas	April 22,	43
	S. A. E. Oil Classification Revision	June 3,	24
	Diesel Fuel Test Methods, Progress of, Studied by S. A. E.	Jan. 22,	19
	Avoid "Cetane Race"	Jan. 29,	32
	Uniformity of Motor Fuel Volatility Will Aid Auto Design	May 20,	35
	Effect on Mid-Continent Natural Gasoline Output of Texas Anti-"Popping" Law	April 22,	30
	10,000 Gallon Alcohol-gasoline Plant Building with Chemical Foundation Money at Atchison, Kansas	April 1,	99
	Alcohol-gasoline Inefficient, Leading Chemists Say	April 22,	20
	New Edeleanu Experimental Laboratory at Long Island	May 27,	33
	Lubrite Refining Converts Fuel Oil Into More Profitable Products	May 6,	33
	Control Instruments for Refinery of Tomorrow at Tulsa Exposition	May 27,	18
	New Motor Fuels Obtainable From Petroleum to Speed Progress in Aviation; Iso-octane for 100 Octane Fuel	June 10,	19
Gee, W. P.	— Two-solvent System Advantages in Solvent Dewaxing	May 13,	29
Gleeson, G. W.	— Water-gas Reaction Apparently Controls Engine Exhaust Gas Composition	Feb. 19,	25
Grosholz, Richard	— Quick Method for Correcting Oil Gravities to 60° F	Feb. 19,	33
Gruse, W. A.	— Engine Carbon — a Monkey Wrench in the Works of Progress	June 24,	24-F
Hubner, W. H.	— Effect of Crude Source on Diesel Fuel Quality; Part I	Jan. 22,	22
	Part II	Jan. 29,	25
James, Allen S.	— New Plants to Replace Natural Gasoline Output Lost in Panhandle	Feb. 19,	17
	Shift in Mid-Continent Natural Gasoline Production Follows Curtailment in Panhandle; Well Connections of East Texas Plants	April 22,	37
Kauffman, H. L.	— New Uses for Spent Fuller's Earth, Part II	Jan. 1,	21
Kiersted, W.	— Two-solvent System Advantages in Solvent Dewaxing	May 13,	29
Legatski, T. W.	— Volatility is Commodity Natural Gasoline Industry Sells	June 3,	28
Livingston, O. A.	—Engine Carbon—a Monkey Wrench in the Works of Progress	June 24,	24-F
Lovell, W. G.	— Limitations of Practical Usage of More Volatile Motor Fuels	May 27,	37
McCarty, B. Y.	— Two-solvent System Advantages in Solvent Dewaxing	May 13,	29
Morrell, Jacque C.	— Chemical Processes in Refining of Petroleum Distillates, Part I	Mar. 18,	33
	Part II	Mar. 25,	24-G
	Part III	April 8,	24-L
	Part IV	April 15,	37
Murphy, G. B.	— Effect of Crude Source on Diesel Fuel Quality; Part I	Jan. 22,	22
	Part II	Jan. 29,	25
Neptune, F. B.	— Iso-pentane in Making 100-octane Aviation Fuels	May 6,	25
Paul, W. H.	— Water-gas Reaction Apparently Controls Engine Exhaust Gas Composition	Feb. 19,	25
Priestley, W. J.	— Welding Properties of Corrosion-resisting Alloy Steels Improved With Columbium	Jan. 29,	29
Rather, J. B.	— Light Oils Kept Colorless by Inhibitors, Neutralizers	May 13,	34
Robinson, P. M.	— Value of Polymer Gasoline is in Its High Octane Blending Value	April 29,	24
Scheumann, W. W.	— Simple Index of Volatility Needed	May 20,	37
Struth, H. J.	— Profits and Losses in Oil; Crude Production and Refining Costs and Value	Feb. 5,	68
	Cracking Has Conserved 12 Billion Barrels of Oil	Feb. 5,	287
Thompson, John W.	— Autos and Things Related; Comments by A. M. Wolf on Future Lubrication, etc.	Feb. 19,	42
	Gasoline Gaining As Tractor Fuel, SAE National Tractor Meeting Told	April 22,	24-G
Trimble, H. M.	— Iso-pentane in Making 100-octane Aviation Fuels	May 6,	25
Truesdell, Paul	— Squeezing More Gasoline From Crude; Modern Refineries Get 45 Per Cent More Gasoline From Crude	Feb. 5,	279
Van Horn, Leo	— Continuous Filtration in Propane Dewaxing Found Practicable	May 20,	49
Wagner, C. R.	— "Coal Tar" Hydrocarbons Produced by Petroleum Polymerization	April 29,	22
Way, Gilbert	— To Increase Motor Fuel Volatility Involves Many Auto Design Problems	May 20,	43
Westsmith, Jack N.	— California Refiners Look to Mid-Continent for Natural Gasoline Supplies	May 13,	21